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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/559,814	04/04/2006	Mark B. Pepys	068800-0324485	8207
	7590 10/30/200 AWRENCE & HAUG		EXAMINER	
745 FIFTH AV	ENUE- 10TH FL.		LI, RUIXIANG	
NEW YORK, N	NY 10151		ART UNIT	PAPER NUMBER
			1646	
			MAIL DATE	DELIVERY MODE
			10/30/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/559,814	PEPYS ET AL.				
Office Action Summary	Examiner	Art Unit				
	RUIXIANG LI	1646				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence add	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	- action is non-final.					
·=						
closed in accordance with the practice under E						
Disposition of Claims						
4)⊠ Claim(s) <u>13-27</u> is/are pending in the application	1.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) 13-27 are subject to restriction and/or	election requirement.					
Application Papers						
· · · <u> </u>						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	• , ,	* *	·D 1 101/4)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
TT) The oath of declaration is objected to by the Ex	ammer, Note the attached Office	ACTION OF IONIT PT	O-152.			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priorical application from the International Bureau * See the attached detailed Office action for a list of the certified copies.	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National \$	Stage			
Attachment(s)	4) 🗖 Intonious Comment	(PTO 412)				
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date	6)					

REQUIREMENT FOR UNITY OF INVENTION

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which

are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in response to this

action, to elect a single invention to which the claims must be restricted.

I. Claims 13-27 (all in part), drawn to a method for treatment or prevention of

osteoarthritis in a subject, comprising administering to the subject a therapeutically

effective amount of a medicament comprising a D-proline of the Formula I-A.

II. Claims 13-27 (all in part), drawn to a method for treatment or prevention of

osteoarthritis in a subject, comprising administering to the subject a therapeutically

effective amount of a medicament comprising a D-proline of the Formula I-B.

2. The groups of inventions listed above do not relate to a single general inventive

concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or

corresponding special technical features for the following reasons:

Groups I and II lack unity of invention because even though the inventions of

these groups require the technical feature of treating osteoarthritis in a subject

comprising administering to the subject a therapeutically effective amount of a

medicament comprising an agent capable of inhibiting SAP ligand binding activity,

this technical feature is not a special technical feature as it does not make a con-

tribution over the prior art in view of Askarov et al. (Database Biosis Online, Biosciences Information Service 67 (3): 190-192, 1986) or Brion et al (Osteoarthritis, Oxford Textbook of Medicine, 4th Ed., Vol. 3 (Warrell et al. eds.), Oxford University Press, Oxford, pp.62-68). Askarov et al. teach treatment of osteoarthritis deformans with heparin, whereas Brion et al. teach treating osteoarthritis with chondroitin sulphate (page 67, bottom of left column). Both heparin and chondroitin sulphate are know to bind to SAP (Biochimica et Biophysica Acta 1339:73-78, 1997; especially Figure 1). Thus, the shared technical feature lacks novelty in the view of the cited references.

Accordingly, Groups I-II are not so linked by the same or a corresponding special technical feature as to form a single general inventive concept. Thus, unity of invention is lacking and restriction is appropriate.

Species Election

3. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species of are as follows: various D-prolines of formula I-A or I-B as listed in claims 25 and 26.

Applicant is required, in reply to this action, to elect a single species (a single D-proline derivative) to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the

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elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise require all the limitations of an allowed generic claim.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: the species lack unity of invention because even though the species share the technical feature as being a D-proline derivative, this technical feature is not a special technical feature as it does not make a contribution over the prior art in view of EP 0915088 A1 (1999), which teaches the same D-proline derivatives of formula IA and IB (page 3).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48 (b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48 (b) and by the fee required under 37 CFR 1.17 (I).

Advisory Information

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ruixiang Li whose telephone number is (571) 272-0875.

The examiner can normally be reached on Monday through Friday from 8:30 am to 5:00

pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Gary Nickol, can be reached on (571) 272-0835. The fax number for the

organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, please contact the Electronic

Business Center (EBC) at the toll-free phone number 866-217-9197.

/Ruixiang Li/

Primary Examiner, Art Unit 1646

Ruixiang Li, Ph.D.

October 24, 2008

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